

Alg. 2 p. 374 ch. 6.3 p. 374 TOTAL - 17 points

#14 $3^5 = 243$ $5 = \log_3 243$
(3p)

#20 $\left(\frac{1}{4}\right)^{-3} = 64$ $-3 = \log_{\frac{1}{4}} 64$
(3p)

#22 $\left(\frac{1}{3}\right)^2 = \frac{1}{9}$ $2 = \log_{\frac{1}{3}} \frac{1}{9}$
(3p)

#28 $3 = \log_9 729$ $9^3 = 729$
(3p)

#34 $\log_{121} 11 = \frac{1}{2}$ $11^{1/2} = 11^{\frac{1}{2}} = 11$
(3p)

#40 $\log_{10} 0.08 = -1$
(1p)

#42 $\log_{10} 0.002 = -3$
(1p)